

PRODUCTION OF ANTIMICROBIAL PAPER, ANTIMICROBIAL PAPER AND PRODUCTION OF ANTIMICROBIAL CORRUGATED BOARD

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Applicant: RENGO CO LTD
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- **european:**
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Abstract of JP2000248495

PROBLEM TO BE SOLVED: To obtain an antimicrobial paper having excellent antimicrobial properties by using a p-hydroxy benzoic acid ester as an antimicrobial agent, to provide both a method for producing the antimicrobial paper and a method for producing an antimicrobial corrugated board.

SOLUTION: The surface of a paper to be subjected to antimicrobial treatment is coated with a coating solution containing at least p-hydroxybenzoic acid ester and a polyhydric aliphatic alcohol. Generally a 2-3C polyhydric aliphatic alcohol, especially glycerol is preferably used as the polyhydric aliphatic alcohol. After the coating of the coating solution, the paper may be coated with a varnish. In the case of producing an antimicrobial corrugated board, a corrugated board liner coated with the coating solution containing at least the p-hydroxybenzoic acid ester and the polyhydric aliphatic alcohol and further coated with a varnish comprising a PVA as a film-forming polymer is prepared and is laminated to both the sides of a core paper having a corrugated section.

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14. Antibacterial paper and paperboard or corrugated board and antibacterial coating for their manufacture

CAS SECTION- 143

CAS SUBSECTION- 007

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NO-ABSTRACT

IDENTIFIER(S)- antibacterial coating hydroxybenzoate ester polyhydric alc paper

CAS REGISTRY/EC NUMBER(S)- 56-81-5 **HEADING PARENT-** 1,2,3-Propanetriol

CAS REGISTRY/EC NUMBER(S)- 94-13-3 **HEADING PARENT-** Benzoic acid --4-hydroxy-

CAS REGISTRY/EC NUMBER(S)- 94-26-8 **HEADING PARENT-** Benzoic acid --4-hydroxy-

CAS REGISTRY/EC NUMBER(S)- 4247-02-3 **HEADING PARENT-** Benzoic acid --4-hydroxy-